Soil Tests Pay Dividends Illinois Agronomists Say

Illinois farmers could have been five million dollars richer in 1947 if they had tested their soil instead of guessing how much fertilizer to spread on their cropl;ands.

Two University of Illinois agronomists report that four million dollars were saved by the state's farmers who tested their soil last year before applying fertilizer. But farmers who guessed at the amount of fertilizer needed for their soils spent five million dollars for limestone and other fertilizing materials that their soils didn't need.

Soil tests can tell what and where fertilizing materials are needed on the farm, how much is needed and how much increase in crop yields will be obtained from a good fertility program, according to Roger H. Bray and A. U. Thor, college of agriculture soil testing specialists.

Fertilizing materials are short and foodstuffs are scarce all over the world, and only by testing the soil can limited amounts of fertilizing materials be used with maximum efficiency for vital food production, the agronomists stressed. Soil testing not only saves the farmer $50 for every dollar spent on testing, but increases food production by using every ton of fertilizing material where it will do the most good.

Early American Culture Revealed in Urn Burials

New archeological finds, throwing fresh light on the culture of aboriginal America, have been announced.

The discoveries were made by the National Geographic society-Smithsonian institution archeological expedition, operating in the republic of Panama near Parita, about 160 miles southwest of the Canal zone.

The explorations have uncovered two notable "firsts". Its sciqtists have found the first urn burials ever to be unearthed between Ecuador and the southeastern United States. They also have discovered the first group of man-made mounds to be located in Panama.

Most of the objects found to date are believed to belong to the two centuries preceding the Spanish conquest of this area. Deep tombs of the immediate pre-conquest period have yielded a large amount of pottery. The decorative colors are red, black, white and purpose. Some of the designs are purely geometric, while others represent mythical animal forms.

The exposition also found a number of exquisitely carved batons made from the ribs of the manatee, the sea cow of tropical Americas.

Moose in Superior Forest

Superior national forest is one of the few areas in the United States inhabited by moose, largest living members of the deer family and confirmed denizens of the wilderness. In spite of protecting from hunting since 1922, moose still are declining even in the most favorable environments, and disappearing entirely in areas made unfavorable through settlement, fires and various other factors which disturb the animal and drive it into more primitive areas. The superior's moose population is now estimated at about 500, according to the U. S. forest service.

Home Accidents in 1947

According to the National Safety council, 32,500 persons were killed last year in the home. Each year, home accidents injure three and one-half per cent of the total population of the United States—about five million people, of whom 120,000 are permanently disabled. More than 50 per cent of these household deaths and injuries are caused by falls. Insecure objects — chairs, small tables, bath mats and rugs are responsible for many falls in the home. Small rugs, most common of these deadly household hazards, are particularly dangerous at the head or foot of a stairway, in a doorway or other heavily-traveled area.

"Dry Cleaner" for Oranges

Oranges are cleaned and polished for the market by a dry-cleaning machine devised for the fruit-grower. It consists of two cylinders which revolve side by side. On the outside of each cylinder are spirals covered with rubber matting. Soft rubber, flexible piles about three-quarters inch high extend from the matting. As the cylinders revolve, the spirals turn toward each other and intermesh. The oranges are dumped onto the drums and as they work towards the outlet, are turned over and over, the rubber piles removing dust and grit and polishing the fruit.

Ice Pack and Hot Bottle

Chemically-controlled combination ice pack and hot water bottle that can be carried in a coat pocket or brief case is being introduced to America's aching heads and backs. The hot or cold pack, which can chill a fevered brow or comfort a strained ligament, is achieved by use of a special liquid contained in a flexible plastic bag. Placed in a refrigerator, the liquid congeals to a semi-solid state and becomes extremely cold; placed in a basin of hot water, the liquid quickly absorbs heat and maintains its temperature for a considerable length of time. Electronically sealed, there is no chance for leakage.

LITTLE REGGIE
By Margarita
GREATEST SHOW ON EARTH
WELL JUST BORROW THESE FOR A LITTLE WHILE!
BOY! YOUR ROOM LOOKS SWELL NOW!!
CIRCUS
JITTER
By Arthur Pointer
BITTEN HENRY MUCH HELPED A BAD HAND, BUT HE'S HAVING PLENTY OF FUN...
I WONDER WHY JITTER IS LATE SO YOU SUPPOSE NOTHING COULD HAVE HAPPENED TO HIM?
DON'T WORRY--HE'LL SHOW UP--HE'S NEVER YET MISSED A MEAL!
CRASH
NANCY
By Ernie Bushmiller
OH, NANCY--I'M IN A JAM--WILL YA LEND ME A QUARTER?
NO, SLUGGO--IT'S AGAINST MY PRINCIPLES
WHY?
I DON'T APPROVE OF LENDING MONEY BETWEEN FRIENDS
OH, YOU BEAST--I HATE YOU
NOW DAT WE AIN'T FRIENDS, HOW ABOUT TH' QUARTER?
MUTT AND JEFF
By Bud Fisher
UM-WAITER, WHAT DO YOU CALL THE ROOSTER'S WIFE?
THE HEN, SIR!
CHICKEN SOUP
EGGS--SOUP
AND WHAT DO YOU CALL THE CHILDREN OF THE ROOSTER AND HIS WIFE?
CHICKENS, SIR!
BUT WHAT DO YOU CALL THE CHICKENS BEFORE THEY ARE CHICKENS?
EGGS, SIR!
GOOD! BRING ME TWO ROAST ADULT EGGS!
OH, WELL, THIS IS MEATLESS TUESDAY ANYWAY!

Plastic Lily Pond

Koroseal or plastic lily ponds make it possible for the farmer as well as the city dweller to have a lily pool without the expense of building a stone or concrete basin. The plastic pond may be emptied, folded up and brought indoors and stored during the winter months. The pond also may be used as a wading pool for children or as a duck pond.

Weevil Damage in Grain Traced to Unclean Bins

Prevention of weevil damage to the new crop is possible if the granary is cleaned and sprayed with DDT. Nearly all cases of "weevily" grain can be traced to unclean bins, according to Purdue university entomologists. Any infestation which occurs likely will come from insects which remain from year to year in the grain and can be prevented by proper cleaning.

Wallace's new party to hold convention this week-end.

Small Farm Units Are Big Implement Buyers

Two-thirds of the one and one-half billion dollars being spent for agricultural implements this year is being expended for small one-family farms, according to a recent survey of the Anti-Friction Bearing Manufacturers association.

For the first time the small farm operator, who owns 6 per cent of the country's total farm acreage, will be the biggest customer for automatic labor-saving implements.

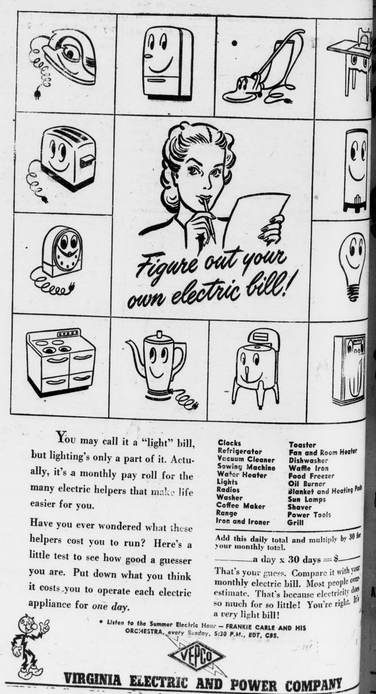
The low ebb of farm labor as well as the increase in farm savings has been responsible for the mechanization of the smaller farms.

One outstanding result is that by 1950, it is estimated that four million farms will produce 33 per cent more than the total production of six million farms before the war.

Jewish - Arab truce hailed as a victory for United Nations stand.

Can Black-Draught Help That Dull, Dopey Feeling?

Yes, Black-Draught may help that dull, dopey feeling if the only reason you feel that way is because of constipation. Black-Draught, the friendly laxative, is usually prompt and thorough when taken as directed. It costs only a penny or less a dose. That's why it has been a best-seller with four generations. If you are troubled with such symptoms as loss of appetite, headache, fatigue, sleeplessness, mental hesitations, bad breath — and if these symptoms are due only to constipation — then see what Black-Draught may do for you. Get a package today.



You may call it a "light" bill, but lighting's only a part of it. Actually, it's a monthly pay roll for the many electric helpers that make life easier for you.

Have you ever wondered what these helpers cost you to run? Here's a little test to see how good a guesser you are. Put down what you think it costs you to operate each electric appliance for *one day*.

Clocks	Toaster
Refrigerator	Fan and Room Heater
Vacuum Cleaner	Dishwasher
Sewing Machine	Waffle Iron
Water Heater	Food Freezer
Lights	Oil Burner
Radios	Blanket and Heating Pad
Washer	Sun Lamps
Coffee Maker	Shaver
Range	Power Tools
Iron and Ironer	Grill

Add this daily total and multiply by 30 for your monthly total.

____ a day x 30 days = $____

That's your guess. Compare it with your monthly electric bill. Most people overestimate. That's because electricity costs so much for so little! You're right. It's a very light bill!

* Listen to the Summer Electric Hour — FRANKIE CARLE AND HIS ORCHESTRA, every Sunday, 5:30 P.M., EDT, CBS.

VEPCO

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Concord

Concord, July 17.- Revival services closed Friday night at the Fisher Memorial Baptist Church here. There were six additions to the church.

Mrs. Andy Weinman and son, Andy, Jr., have returned to Florida, after visiting here.

Miss June Smith, of Rirhlands, is visiting her sister, Mrs. F. B. Fitzferald, Jr.

Miss Dorothy Roberts is spending a vacation at Virginia Beach.

Mr. and Mrs. B. D. Evans are visiting relatives in Baltimore.

Miss Audrey Knight, of Richmond recently visited her home people here.

Mrs. M. M. Roberts is visiting her daughter, Miss Ruby Roberts, who is in training in Philadelphia.

LIGHTNING INJURY COMMON TO TOBACCO

Injury to tobacco fields by lightning may easily be mistaken for damage by parasites, according to S. B. Fenne, plant pathologist for the Agriculture Extension Service.

It is not uncommon, Fenne said, for lightning to strike in tobacco fields, affecting plants in a well-defined area. This area may be from a few hills to 30 or more in diameter; or it occasionally may consist of a single row, he said.

Some of the plants at the center of the area, he said, may be killed outright and show severe stem injury.

Fenne said the positive indications of lightning injury are sudden appearance of wilting, breaking down of the pant's pith into disc-like plates, blackening of the midribs of the leaves, and crinkling and twisting of leaves.

Eliminating Moles

To kill moles quickly, a rubber hose should be attached to the exhaust pipe of an automobile. The joint should be made tight by strapping with electrical tape. The other end of the hose should be inserted in the mole hole, and the motor allowed to run for five minutes. To concentrate the fumes, a damp cloth should be placed tightly around the hose where it enters the ground.

Cleveland and Athletics divide important four-game series.

Internations Lions Clubs meet in New York.

Strange American Towns

Many American towns bear strange names. For instance, there's Annabessacook, Maine and Zephyrhills, Fla. Railway expressmen don't blink an eye when they spot express shipments bearing address labels reading: Chocolocco, Ala.; Agawan, Mont.; Embarrass, Minn. And, for the romantically inclined there's Loving, N. M., Eden, O., Paradise, Cal.; while the state of Texas offers Lovelady, Honey Island, Happy, Blessing, Ponder, Moody and, to top it off, there is Goodnight, Tex. A few more, which might suggest the high cost of living: Cash, S. C.; Cash Money, Fla.; Dollar, Ore.; Greenback, Tenn.; Coin, Ark.; and Dime Box, Tex.

Carpet Beetles and Moths Routed by DDT Oil Spray

Toxic qualities of DDT may make its use in many places questionable, but there are still many places where the insecticide can be used to advantage.

Jack Lomax, extension entomologist, University of Nebraska, suggests that cleaning of clothes closets can be followed up with a DDT spray on the walls, woodwork, baseboards, and shelves. Such a spray gives protection against clothes moths and carpet beetles.

An oil spray is best because it does not leave the white deposit the water spray does. It should be a residual spray rather than aerosol bombs or space sprays if it is to be effective over many months. Aerosol spray kills flying insects or those which happen to be exposed at the time, but has no lasting effect.

DDT can be sprayed lightly on wool clothing without injuring the fabric. Too much solution may show up as whitish traces on dark clothing, but this can be removed by brushing or dry cleaning.

DDT protects clothing hanging in closets, but moth flakes or crystals are advised for clothing stored in bags, trunks or other containers where fumigating effects are desired. Added protection is given stored clothing by spraying them and their container with DDT.

Good Care in Laundering Linen Handkerchiefs Urged

With linen and other fine fabrics coating as much these days, homemakers find linen handkerchiefs are a prized possession. Good care in buying and laundering will extend the life of handkerchiefs considerably, says Miss Helen Rocke, extension clothing specialist.

Buy the handkerchief with the even and compact weave and weight for longer life, she suggests. Embroidered initials, open work and hand-hemstitching make a prettier and more costly handkerchief, but these things also make a more fragile item. The first break often comes at the hem-stitching where fabric is thinner, or around the initials where the embroidery is heavier than surrounding linen. Hand-rolled edges are less sturdy than stitched hems.

When handkerchiefs are laundered in the machine with other clothing it is a good idea to tie them in a loose cheesecloth bag. This saves wear and tear in washing and getting caught in wringer rollers. In planning handkerchiefs up to dry, pin them on top of a towel, leaving them only until dry. Flapping in the wind makes for much wear and tear on handkerchiefs.

Impressing the Women Folks

Display of manly strength has always impressed the womenfolk. A female gorilla will find the sight of her mate, with flexed biceps and fists thumping his chest, irresistible. The elephant seal will pose for hours with head thrown back and chest extended if there are admiring females nearby. In sea lions and sea elephants the bulls, who are enormously bigger and stronger than the cows, come ashore during the breeding season and stake out mating territories. As the females land, the males fight for them and establish harems. In some species they may seize the cows by the neck and pitch them over their shoulders into the harem.

Military honors at funeral of late General Pershing.

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Soil 'Bank Account' Determines Returns

Check up on Solvency To Assure Prosperity

Check up on your soil fertility "bank account." It's more important to you than the number of dollars you have in your commercial account.

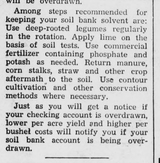
Your present and future prosperity depends on your soil's crop producing ability. Crop producing ability, in turn, depends on the size of your soil fertility bank account—how you match deposits and withdrawals.

Every crop you soil carries with it nitrogen, phosphate, potash and other plant nutrients. Unless you balance these withdrawals with good management "deposits" that replace nutrients, rebuild organic matter and repair damaged soil structure, your soil bank account will be overdrawn.

Among steps recommended for keeping your soil bank solvent are: Use deep-rooted legumes regularly in the rotation. Apply lime on the basis of soil tests. Use commercial fertilizer containing phosphate and potash as needed. Return manure, corn stalks, straw and other crop aftermath to the soil. Use contour cultivation and other conservation methods where necessary.

Just as you will get a notice if your checking account is overdrawn, lower per acre yield and higher per bushel costs will notify you if your soil bank account is being overdrawn.

Farm Bulldozer Blade



This bulldozer blade can be attached or removed from a tractor in three minutes. The blade was salvaged from an old road scraper and the pushers are old 1 1/2 inch galvanized irrigation pipe. The U-clips which attach the pushers to the tractor are 1.1/4 or 1/2 inch flat iron which was bent into shape and welded to the pusher pipes. Braces for the frame are 1.1/4 inch pipe.

Hampshire Sow Sets New Production Mark

Ringold Lady Dora, 753,056, with the litter with which she established a new production record for the Hampshire breed. This sow is the first to have made a "Six Star" record in the Hampshire registry. She is five years old and has raised 75 pigs in eight litters. In her six star litters she has raised 62 pigs, an

average of 10.3. These pigs weighed a total of 418 pounds, 56 days after farrowing. She is owned by William C. Goodheart Jr., Eaton, Ohio. She was fed corn, oats, alfalfa and pelletized milk by-products prior to farrowing. Her pigs were raised on a ration of seven parts corn and three parts oats with 8 per cent milk by-products added.

Tests Disclose Silage Increases Hay Tonnage

Tests of haymaking methods show that considerably more tonnage of feed will be obtained from a meadow crop when it is put in a silo than can be procured by any other method of storing.

Analysis of field cured and mow cured hay and of grass silage show a larger percentage of protein in grass than in similar forage cured either in the field or in the mow.

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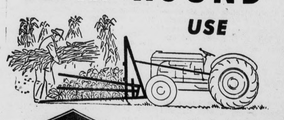
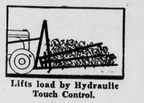


Dearborn FARM EQUIPMENT

There's lots of work for this sturdy Dearborn Sweep Rake between haying seasons. It's just the thing for bringing in shocked corn or fodder during winter months. Fine for cleaning up trash or hauling away branches when pruning orchards. Handy for dumping trash into gullies. It unloads just by lowering it and backing away.

Let us show you how easily it lifts and lowers a load by Hydraulic Touch Control. Durably made for years of hard use, in haying season and out. Phone or drop in for complete information.



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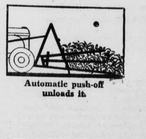

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